Week	36	37	38	39	
W/C Date	25-Jun	2-Jul	9-Jul	16-Jul	
Topic					
Key Objectives					
Assessment					
Homework					

Department Year 7 Pre-GCSE grade 1 long term plan

Colour	Meaning
Green	Assessment weeks
Orange	Moderation week
Blue	Data Capture
Yellow	STAR marking
Cyan	Teacher A (lead)
Grey	Teacher B

Key Skills to be Covered

- **Number:** Know the place value headings up to millions; Types of number- recall primes to 19; know the first 12 square numbers; use and convert between common units of measure; develop understanding of percentage; know percentage and decimal equivalents for $^1/_2$, $^1/_4$, $^1/_5$, $^2/_5$, $^4/_5$
- **Shape and Space:** Know that angles are measured in degrees; know angles in one whole turn total 360°; know angles in half a turn total 180°; measure and draw angles accurately; know and use - area of a rectangle = length × width; carry out reflections and translations.
- **Data and Probability:** interpret and draw line graphs to present discrete data.

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
W/C Date	03-Sep	10-Sep	17-Sep	24-Sep	01-Oct	08-Oct	15-Oct		29-Oct	05-Nov	12-Nov	19-Nov	26-Nov	03-Dec	10-Dec	17-Dec		
Topic	Numbers and the number system	Numbers and the number system	Counting and Comparing	Counting and Comparing	Calculating: Addition and Subtraction	Revision and Preparation for assessment	Calculating: Addition and Subtraction		Visualising and constructing	Calculating: Multiplication and Division	Calculating: Multiplication and Division	Calculating: Multiplication and Division	Investigating Properties of shapes	Fractions, Decimals and Percentage	Fractions, Decimals and Percentage	Fractions, Decimals and Percentage		
Key Objectives	Identify multiples and factors, find all factor pairs of a number, and common factors of two numbers. Know the times tables up to 12x12. Establish whether a number up to 100 is prime and recall prime numbers up to 19.	Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³). Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	Understand and use place value in four-digit numbers. Count forwards and backwards in whole number steps.	Know Roman numerals from I to C. Read numbers written in Roman numerals up to 100.	Add and subtract numbers mentally with increasingly large numbers. Add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction).		Solve addition and subtraction multi-step problems in contexts. Make decisions about which operations and methods to use and why.		Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use isometric paper to draw cubes and cuboids.	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.	Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers. Divide numbers up to 4 digits by a one-digit number using the formal written method of short division. Interpret remainders appropriately for the context	Multiply and divide numbers mentally drawing upon known facts. Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	Compare and order fractions whose denominators are i) the same number, ii) multiples of the same number. Identify, name and write equivalent fractions represented visually, including tenths and hundredths.	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Read and write decimal numbers as fractions [for example, 0.71 = $^{71}/_{100}$]. Read, write, order and compare numbers with up to three decimal places.	Recognise the per cent symbol (%) and understand that per cent relates to 'parts per hundred'. Write percentages as a fraction with denominator 100, and as a decimal. Solve problems involving number to three decimal places		
Assessment		5M1 BAM		5M2 BAM			5M4 BAM					5M5 BAM	5M13 BAM		5M8 BAM	5M9 BAM		
Homework						Baseline Test	Baseline Test	Data Capture										

Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
W/C Date	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb		25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	08-Apr		
Topic	Pattern Sniffing	Measuring Space	Measuring Space	Exploring Time	Investigating Angles	Investigating Angles		Calculating Fractions Decimals and percentages	Calculating Fractions Decimals and percentages	Calculating Fractions Decimals and percentages	Mathematical Movement	Mathematical Movement	Calculating Space	Calculating Space		
Key Objectives	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). Select the most appropriate unit of measure to use.	Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. use all four operations to solve problems involving measure [for example, length, mass, volume, money] using	Solve problems involving converting between units of time. Complete, read and interpret information in tables, including timetables.	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Draw given angles accurately, and measure them in degrees (°).	Identify angles at a point and one whole turn (total 360°); angles at a point on a straight line and $^1/_2$ a turn (total 180°); other multiples of 90°. Solver simple angle problems.		Recognise mixed numbers and improper fractions and convert from one form to the other. Write mathematical statements > 1 as a mixed number [for example, $^2/_5 + ^4/_5 = ^6/_5 = 1\,^1/_5$] Add and subtract fractions with the same denominator and denominators	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Solve problems which require knowing percentage and decimal equivalents of $^1/_2$, $^1/_4$, $^1/_5$, $^2/_5$, $^4/_5$ and those fractions with a denominator of a multiple of 10 or 25.	Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.	Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square	Estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water].		

			decimal notation, including scaling				that are multiples of the same number.						metres (m²) and estimate the area of irregular shapes.		
Assessment			5M10 BAM			5M11 BAM				5M7 BAM				5M12 BAM	
Homework															

Week	35	36	37	38	39	40	41	42	43	44	45	46	46
W/C Date	29-Apr	06-May	13-May	20-May		03-Jun	10-Jun	17-Jun	24-Jun	01-Jul	08-Jul	15-Jul	
Topic	Presentation of data	Presentation of data	Consolidation, Revision for assessment	Problem solving activities		Checking, approximating and estimating.	Checking, approximating and estimating.	Practical maths activities					
Key Objectives	Solve comparison, sum and difference problems using information presented in a line graph or pictogram.	Draw and interpret information in a line graph. Draw and use other simple statistical diagrams.				Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000. Round decimals with two decimal places to the nearest whole number and to one decimal place.	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Estimation using rounding to the nearest 10 or 100.	E.g. Surveys Best buys Using timetables to plan a day out					
Assessment				End of Year Test		5M3 BAM							
Homework													